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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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LEE, HONG, DEGERMAN, KANG & SCHMADEKA, P.C.  
801 SOUTH FIQUEROA STREET  
14TH FLOOR  
LOS ANGELES, CA 90017

EXAMINER

CHOW, CHARLES CHIANG

ART UNIT PAPER NUMBER

2685

DATE MAILED: 10/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/034,894	<b>Applicant(s)</b> HWANG ET AL.	
	<b>Examiner</b> Charles Chow	<b>Art Unit</b> 2685	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 19 September 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 21 and 23-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 21, 23-31, 34-42 is/are allowed.
- 6) ☒ Claim(s) 32 and 33 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**Detailed Action**  
**(Office Action for amendment received 9/19/2005)**

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claim 32 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wagner et al. (US 6,169,911 B1) in view of Lipp (US 5,933,088)

Regarding **claim 32**, Wagner teaches a message display method in a mobile communication terminal [graphic user interface of portable telephone, Fig. 3-5, abstract; the cellular mobile telephone in col. 2, lines 59-65], comprising receiving a first message having call information and a message content and displaying on a display a message icon associated with first message [the envelope, handset, icon, in Fig. 3A-4, the cellular mobile telephone receiving email message having message information identification name Sue @schwob.com, icon, displayed on the autoscroll ticker tape display 32 [Fig. 5], and message content information is displayed on display 4 [Fig. 5; col. 6, lines 21-46; col. 4, line 34 to col. 5, line 7].

Wagner fails to teach the wherein the message content for the first message is automatically scrolled on the display after expiration of a predetermined time period without user interaction with the mobile comm. terminal to cause the message content scroll. However, Lipp teaches these features [a pager receiver having autoscroll sequence control for different time period, 8-12 seconds, to display current message, then automatically scroll to display next message content [steps in Fig. 3, Fig. 6-7, changing displaying period in Fig. 10, col. 4, line 48 to col. 5, line 35; col. 9, line 54 to col. 10, line 7; col. 1, line 52 to col. 2, line

Art Unit: 2685

5]. Lipp teaches a better method for message display to user with autoscroll sequence and dynamic brightness control [col. 1, line 40 to col. 2, line 5; col. 4, line 59 to col. 5, line 18].

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Wagner with Lipp's autoscroll to next message with selectable scrolling time periods, in order to present, display, the received message to user with better convenient autoscroll sequence.

2. Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wagner in view of Lipp, as applied to claim 32, above, and further in view of Kim (2003/0174,270 A1).

Regarding **claim 33**, Wagner, Lipp fail to teaches the display comprises one of internal and external display of the mobile communication terminal. However, Kim teaches the mobile communication terminal has both the internal main screen display 200a [Fig. 5], the external subscreen display 200b [Fig. 6] for displaying together the caller ID, received message, time and date temporal information on the outer screen 200b [0023], in order to improve the displaying of the call information to user, by conveniently with opening the cover flip.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Wagner, Lipp with Kim's internal, external display, 200a, 200b, in order to improve the displaying of the call information to user, by conveniently with opening the cover flip.

#### **Allowable Subject Matter**

3. The following is an examiner's statement of reasons for allowance:

Claims 21, 23-31, 34-42 are allowable over the prior art of record, the prior art fails to teach singly, particularly, or in combination. Applicant has amended all independent claims with **mobile communication terminal comprising at least one of an external display and an**

**internal display**, to associated it with the other claimed features: the message is **automatic scrolled after expiration of a predetermined time period without user interaction**, for the purpose of causing the message scroll [independent claim 21]; the displaying on a first display, the caller information **by horizontally scrolling the caller information across the first display**, and displaying on a second display, the **message content by way of vertically scrolling the message content** [independent claim 34]; the **automatically scroll-displaying identification information and message content on a first display, after predetermined time period elapse, until end of said at least one of the message identification information and message content is reaches automatically**, wherein user may interact, **to cause message content to be scroll-displayed on a second display** [independent claim 38]. The dependent claims are also allowable due to their dependency upon the independent claims and the additional claimed features.

The closest prior art from **Wagner (US 6,169,911 B1)** teaches a portable cellular telephone has graphic user interface [Fig. 3-5, abstract], the portable cellular telephone receiving email message having message information identification name Sue @schwob.com, icon, displayed the auto-scroll ticker tape display 32 and message content information is displayed on display 4 [Fig. 5; col. 6, lines 21-46; col. 4, line 34 to col. 5, line 7]. Wagner fails to teach the wherein after the first message is received the message information for the first message is automatically scrolled on the display after expiration of a predetermined time period without user interaction; the displaying the message information on external display, and displaying the message content on the internal display.

**Lipp (US 5,933,088)** teaches a pager receiver having autoscroll sequence controlling for different time period, 8-12 seconds, to display current message, then automatically scroll to display next portion of the message [steps in Fig. 3, Fig. 6-7], changing displaying period in

Art Unit: 2685

[Fig. 10, col. 4, line 48 to col. 5, line 35; col. 9, line 54 to col. 10, line 7; col. 1, line 52 to col. 2, line 5]. Lipp fails to teach the mobile communication terminal and the displaying the message information on external display, and displaying the message content on the internal display.

**Kim (US 2003/0174,270 A1)** teaches the mobile communication terminal has both the internal main screen display 200a [Fig. 5], the external subscreen display 200b [Fig. 6] for displaying together the caller ID, received message, time and date temporal information on the outer screen 200b [0023]. Kim fails to teach the wherein after the first message is received the message information for the first message is automatically scrolled on the display after expiration of a predetermined time period without user interaction; the displaying the message information on external display, and displaying the message content on the internal display.

Other prior arts in below has been considered, but they fail to teach the above claimed features.

**Kubo et al. (US 6,748,243B1)** teaches a portable telephone comprises the first outer surface display 4 and a second inner surface display 8, the scroll navigation key 7 [Fig. 1B/2B, abstract], for identifying a caller & message [col. 1, lines 41-58].

**Klausner et al. (US 5,572,576)** teaches a caller's name and caller's telephone number are displayed on screen for scrolling [Fig. 12, Fig. 18-19], when the scroll display item is not selected [col. 1, lines 14-20, col. 2, lines 17-58].

**Youn (US 2002/0019,251 A1)** teaches the storing of the user selected portion of the displayed message, of the mobile telephone 10 [abstract, paragraphs 0003, 0008-0009, 0016, Fig. 1-3], using the STO, store, key, "save" key in [0025].

Art Unit: 2685

**Khoshbin (US 2004/0104,808 A1)** teaches the displaying of priority message on a wireless device [abstract, Fig. 1, Fig. 8a-8D] having soft multifunction key 3 which allows the different function to be performed by the same multifunction key [0041], for the first key.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Response to Arguments***

4. Applicant's arguments with respect to claims 32-33 have been considered but are moot in view of the new ground(s) of rejection.

Regarding applicant's amendment in independent claims 21, 34, 37-38 based on Hama-'754A1 is late on filing date comparing to applicant's filing date 12/29/2000, to amend claims 21, 34, 37-38 with the internal and external display for the mobile communication terminal; and Lipp-'088 is improper due to lack of packetized message and communication protocol.

Regarding Hama-'754A1 has a later filing date than applicant's filing date, a new reference from Kim (US 2003/0174,270 A1) is utilized to replace Hama-'754, for teaching the claimed features of the internal and external display for the mobile communication terminal

[the mobile communication terminal has both the internal main screen display 200a, Fig. 5, the external subscreen display 200b [Fig. 6] for displaying together the caller ID, received message, time and date temporal information on the outer screen 200b, paragraph 0023].

Regarding Lipp-'088's paging system is improper due to lack of packetized message and communication protocol, the features for packetized message and communication protocol is not in the claims 32-33, and Wagner teaches the portable cellular telephone for cellular and wireless communication [col. 2, lines 59-67].

Art Unit: 2685

***Conclusion***


5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles C. Chow whose telephone number is (571) 272-7889. The examiner can normally be reached on 8:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Charles Chow *C.C.*

October 03, 2005.

  
EDWARD E. URBAN  
JULY 15, 2005 PATENT EXAMINER  
TECHNOLOGY CENTER 2600